

PATENT ABSTRACTS OF JAPAN

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(54) PRODUCTION OF LEATHER-LIKE SHEET

(57)Abstract:

PROBLEM TO BE SOLVED: To produce the subject leather-like sheet that has excellent surface smoothness, compactness, abrasion resistance, dry cleaning resistance, flexibility and appearance by applying a swelling agent thereto after a coating layer of a polymer substance is formed, compressing them and removing the swelling agent.

SOLUTION: A fiber-containing base material [for example, a fabric united by entangling the fiber-interlaced nonwoven fabric from extremely fine fibers of ≤ 0.2 denier fineness or from their fiber bundles having the interlacing distance of $\leq 200 \mu\text{m}$ with the woven or knit fabric is applied on its at least one face with (A) a polymer substance, for example, polyurethane to form the coating layer. Then, a swelling agent for the substance (A) (for example, an aqueous dilute dimethylformamide solution of ≥ 60 wt.% concentration) is applied to the coating layer, compressed, then the swelling agent is removed by drying or by its substitution with other solvents as water.

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